

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 7,538,241 B2  
APPLICATION NO. : 10/584234  
DATED : May 26, 2009  
INVENTOR(S) : Yushi Kitamura et al.

Page 1 of 9

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

**ON COVER PAGE AT (56) FOREIGN PATENT DOCUMENTS**

“52151133” should read --52-151133--.

**COLUMN 5**

Line 10, “that;” should read --that:--; and  
Line 59, “that;” should read --that:--.

**COLUMN 6**

Line 3, “Then” should read --then--.

**COLUMN 14**

Line 41, “alkanoyla” should read --alkanoyl,--.

**COLUMN 77**

Line 34, “to,” should read --to--; and  
Line 65, “1/10and” should read --1/10 and--.

**COLUMN 80**

Line 66, “1.8 mmol)-obtained” should read --1.8 mmol) obtained--.

**COLUMN 87**

Line 6, “APCI-MS” should read --¶APCI-MS--.

**COLUMN 90**

Line 7, “447 449” should read --447, 449--; and  
Line 29, “380/382” should read --380, 382--.

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COLUMN 97

Line 59, “0.65 8 mmol)” should read --0.658 mmol)--.

COLUMN 98

Line 13, “(276 MHz,” should read --(270 MHz,--.

COLUMN 128

Line 25, “(s, 3H, 2.29” should read --(s, 3H) 2.29--;  
Line 26, “s, 1H) m,” should read --s, 1H),--; and  
Line 38, “APCI-MS” should read --¶APCI-MS--.

COLUMN 129

Line 7, “9.38 br s, 1H),” should read --9.38 (br s, 1H),--.

COLUMN 131

Line 41, “-3-(methoxyethyl)-11,5-bis(meth-” should read  
-- -3-(methoxyethyl)-1,5-bis(meth- --.

COLUMN 133

Line 29, “APCI-MS” should read --¶APCI-MS--.

COLUMN 135

Line 8, “(t J=7.3 Hz,” should read --(t, J=7.3 Hz,--.

COLUMN 140

Line 35, “(53 mg, 18%)” should read --(53 mg, 18%).--.

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COLUMN 141

Line 44, "(t, J=7.0 Hz," should read --(t, J=7.0 Hz,--.

COLUMN 146

Line 13, "step-1" should read --step 1--; and  
Line 17, "for 11" should read --for 1--.

COLUMN 158

Line 9, "6.84 8s, 1H)," should read --6.84 (s, 1H),--.

COLUMN 161

Line 26, "N,N-dimethylfonnamide" should read --N,N-dimethylformamide--.

COLUMN 162

Line 39, "7.20 (&, J=8.0 Hz, 1H)," should read --7.20 (d, J=8.0 Hz, 1H),--.

COLUMN 164

Line 48, "concentrated acid" should read --concentrated hydrochloric acid--.

COLUMN 167

Line 43, "(Step 2) in" should read --(Step 2) ¶In--.

COLUMN 168

Line 12, "6.84 8s, 1H), 7.16-7.25 8m, 2H)," should read --6.84 (s, 1H),  
7.16-7.25 (m, 2H),--; and

Line 51, "88%" should read --88%).--.

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COLUMN 171

Line 40, "7.30-7.45 8m, 3H)." should read --7.30-7.45 (m, 3H).--; and  
Line 52, "7.24-7.50 8m, 5H);" should read --7.24-7.50 (m, 5H);--.

COLUMN 172

Line 26, "8m, 4H), 3.74 8s, 2H)," should read --(m, 4H), 3.74 (s, 2H),--.

COLUMN 173

Line 4, "2.38-2.65 8m," should read --2.38-2.65 (m,--; and  
Line 31, "3.24 8s, 3H)," should read --3.24 (s, 3H),--.

COLUMN 174

Line 59, "(12g, 97%" should read --(12g, 97%)--.

COLUMN 176

Line 18, "3.47 (S," should read --3.47 (s,--.

COLUMN 177

Line 18, "CD<sub>3</sub>OD) 6, (ppm):" should read --CD<sub>3</sub>OD) δ (ppm):--; and  
Line 45, "ESI-MS 416 (M+NH<sub>4</sub>)<sup>+</sup> ." should read --ESI-MS (m/z):  
416 (M+NH<sub>4</sub>)<sup>+</sup>.--.

COLUMN 178

Line 1, "cerium" should read --cesium--;  
Line 51, "2360-2.76 (m, 4H)," should read --2.36-2.76 (m, 4H),--; and  
Line 52, "6.34 8s, 1H)," should read --6.34 (s, 1H),--.

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COLUMN 179

Line 6, “3018-3.38 (m, 6H),” should read --3.18-3.38 (m, 6H),--.

COLUMN 180

Line 28, “2.00-2.10 8m, 2H),” should read --2.00-2.10 (m, 2H),--.

COLUMN 181

Line 11, “ad” should read --and--.

COLUMN 188

Line 26, “6.66 mmol)” should read --0.66 mmol)--.

COLUMN 190

Line 39, “(t, J=7.8,” should read --(td, J=7.8,--.

COLUMN 195

Line 61, “in),” should read --m),--.

COLUMN 196

Line 1, “preparative” should be deleted; and  
Line 2, “through” should read --through preparative--.

COLUMN 202

Line 18, “ESI-MS” should read --¶ESI-MS--; and  
Line 56, “374-(M+H)<sup>+</sup>.” should read --374 (M+H)<sup>+</sup>--.

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COLUMN 203

Line 6, "APCI-MS" should read --¶APCI-MS--.

COLUMN 205

Line 2, "(about 111)" should read --(about 1/1)--; and  
Line 41, "liquid," should read --solution,--.

COLUMN 206

Line 17, "reduced-pressure." should read --reduced pressure--.

COLUMN 208

Line 27, "4.99 88s, 1H)," should read --4.99 (s, 1H),--; and  
Line 51, "(260' mg," should read --(260 mg,--.

COLUMN 209

Line 42, "ethyl, acetate." should read --ethyl acetate.--; and  
Line 50, "6.85 8s, 1H)," should read --6.85 (s, 1H),--.

COLUMN 214

Line 48, "(chloroform/methanol/water 100/10/1)" should read  
--(chloroform/methanol/water = 100/10/1)--.

COLUMN 222

Line 53, "half a" should read --a half--; and  
Line 65, "4.51 8s, 2H), 4.58 8s, 2H), 5.15 8s, 2H)," should read  
--4.51 (s, 2H), 4.58 (s, 2H), 5.15 (s, 2H),--.

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COLUMN 224

Line 33, “3.48 8s, 3H),” should read --3.48 (s, 3H),--.

COLUMN 227

Line 47, “3.40 8s, 3H),” should read --3.40 (s, 3H),--.

COLUMN 230

Line 13, “3 hour.” should read --3 hours.--.

COLUMN 231

Line 50, “7.50 (dd, J=0.8, 1.8 Hz,” should read --7.50 (dd, J=0.8, 1.8 Hz, 1H).--.

COLUMN 232

Line 15, “a w a y” should read --away--.

COLUMN 233

Line 61, “245,” should read --Example 245,--.

COLUMN 235

Line 65, “(270 MHz, CDCl<sub>3</sub>) (ppm):” should read --(270 MHz, CDCl<sub>3</sub>)  
δ (ppm):--.

COLUMN 241

Line 25, “partitioning” should read --preparative--; and  
Line 65, “(270 MHz, CDCl<sub>3</sub>) (ppm):” should read --(270 MHz, CDCl<sub>3</sub>)  
δ (ppm):--.

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COLUMN 247

Line 66, "APCIMS" should read --APCI-MS--.

COLUMN 248

Line 12, "4 h ours." should read --4 hours.--; and  
Line 53, "silica" should read --silica gel--.

COLUMN 252

Line 36, "liquid," should read --solution,--; and  
Line 37, "liquid," should read --solution,--.

COLUMN 254

Line 22, "(10 g, 47 mmol)" should read --(10g, 47 mmol)--.

COLUMN 259

Line 60, "mg, 59)" should read --mg, 59 mmol)--.

COLUMN 269

Line 44, "obtained the" should read --obtained in the--.

COLUMN 270

Line 14, "obtained the" should read --obtained in the--.

COLUMN 272

Line 66, "APCI-MS" should read --¶APCI-MS--.

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COLUMN 282

Line 57, "(200 ng," should read --(200 mg,--.

COLUMN 292

Line 21, "APCI-MS m/z 352 (M-H)<sup>-</sup>." should read --APCI-MS (m/z) 352 (M-H)<sup>-</sup>.--.

COLUMN 293

Line 32, "APCI-MS m/z 403 (M+H)<sup>+</sup>." should read --APCI-MS (m/z) 403 (M+H)<sup>+</sup>.--.

COLUMN 294

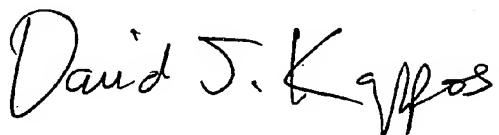
Line 8, "that;" should read --that:--.

COLUMN 297

Line 35, "claim 8 ,," should read --claim 8,--.

Signed and Sealed this

Seventeenth Day of November, 2009



David J. Kappos  
*Director of the United States Patent and Trademark Office*